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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/766,385	01/28/2004	Liya Wang	TJT-13902/16	3351
25006 7590 07/20/2007 GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C PO BOX 7021 TROY, MI 48007-7021			EXAMINER	
			CANTELMO, GREGG	
1 KO 1, MII 480	107-7021		ART UNIT	PAPER NUMBER
	`		1745	
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			MAIL DATE .	DELIVERY MODE
			07/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/766,385	WANG ET AL.			
Office Action Summary	Examiner	Art Unit			
	Gregg Cantelmo	1745			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period realiure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on <u>09 May 2007</u> .					
2a) ☐ This action is FINAL . ☐ 2b) ☐ This	This action is FINAL . 2b) This action is non-final.				
S) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ⊠ Claim(s) <u>1-4,7,8,10-15,17-19,33 and 34</u> is/are 4a) Of the above claim(s) is/are withdra 5) ⊠ Claim(s) <u>1-4,7,8,10-15,18 and 19</u> is/are allowe 6) ⊠ Claim(s) <u>17,33 and 34</u> is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	wn from consideration. ed.				
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attach manual(a)					
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)			
2) Notice of Preferences Cited (PTO-032) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Do 5) Notice of Informal F 6) Other:	ate			

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DETAILED ACTION

Response to Amendment

- 1. In response to the amendment received May 9, 2007:
 - a. Claims 1-4, 7-8, 10-15, 17-19, 33 and 34 are pending;
 - b. The previous objections and rejections have been withdrawn in light of the amendment except for the 112 1st paragraph rejection applicable to new claims 33 and 34. It is noted that in the previous office action while claim 8 was indicated as not being taught by the prior art of record, the claim was still subject to the rejection under the first paragraph of 35 U.S.C. 112 directed to scope of enablement of the breadth of the scope of combination which the claim encompasses but does not reasonably and clearly support in the written description. Applicant's response does not address this issue and the rejection now applies to new claims 33 and 34.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 33 ad 34 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for particular composites, does not reasonably provide enablement for all composite materials recited in therein. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make the invention commensurate in scope with these claims. The

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claims broadly recite a first component as a metal phosphate and a second component from the group consisting of transition metal nitrides, transition metal oxynitrides and combinations thereof is not fully supported by the description. The description does not disclose the claimed invention in a manner sufficiently clear and complete for the claimed invention to be carried out by a person skilled in the art because: while the claims have enablement for particular disclosed materials there is a sufficiently strong lack of enablement in the written description for claiming all metal phosphates and all transition metal nitrides, transition metal oxynitrides and combinations thereof.

Therefore one of ordinary skill in the art would not have had sufficient understanding of the metal phosphates and all metal nitrides, metal oxynitrides and combinations thereof which were appreciated by the claimed invention at the time the invention was made and would require serious burden with undue experimentation to determine which materials the claims are in fact entitled to.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 17 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 17 is dependent upon cancelled claim 16. Thus claim 17 fails to particularly point out and distinctly claim the subject matter which applicant regards as the invention and is vague and indefinite.

Allowable Subject Matter

4. Claims 1-4, 7-8, 10-15 and 18-19 allowed.

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5. The following is an examiner's statement of reasons for allowance set forth in the previous office action, incorporated herein.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregg Cantelmo whose telephone number is 571-272-1283. The examiner can normally be reached on Monday to Thursday, 8:00-5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pat Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

gc V() July 19, 2007 Gregg Cantelmo Primary Examiner Art Unit 1745